

REMARKS

Please reconsider the present application in view of the following remarks.

Applicant thanks the Examiner for carefully considering this application.

Disposition of Claims

Claims 1-3 and 7-8 are now pending in this application. Claims 1, 2, 7, and 8 are independent. Claim 3 depends directly from claim 2. Claims 7 and 8 have been withdrawn from consideration.

Rejection under 35 U.S.C. § 103

Claim 1-3 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 7,010,032 ("Kikuchi") in view of U.S. Patent No. 6,037,932 ("Feinleib"). This rejection is respectfully traversed for the reasons set forth below.

As noted previously, one or more embodiments of the claimed invention are directed to a signal generation device that generates a packet containing information obtained by encoding a video signal by using a video signal of vertical periods as a unit. Referring to the specification and figures as an example, in one or more embodiments of the claimed invention, when transmitting the header data of the encoded frame, the radio video transmission device generates a transport stream in which a start flag indicative of the header portion of the encoded frame is added to the header portion of the encoded frame, and transmits the transport stream as a transmission packet. The radio video transmission device sequentially adds to the transmission packet cyclical serial number

information ranging from 0 to 15. Once the value of the serial number information reaches 15, the value of the serial number information for the next transmission packet is reset to 0. The radio video reception device extracts the serial number information from the received transmission packet. When the transmission packet is not received in the order of the serial numbers, the radio video reception device determines absence of the packet, and causes display of the video information included in the transmission packet which has been received previously (*See, e.g.*, Fig. 3 and paragraphs [0020]-[0021] of the published application).

Accordingly, independent claim 1, as amended, recites, in part, the limitations, “an encoder which encodes a video signal in units of a video signal *corresponding to a plurality of vertical periods*; and a transmitter which generates a packet including the encoded information and sends the packet after *adding serial number information indicating the order of transmission of the packet*.” Thus, the claimed invention requires *generating a packet including encoded information of a plurality of vertical period and adding serial information indicating the order of transmission of the packet*.

Due to the above features, the claimed invention is capable of efficiently suppressing image disturbance caused by a transmission error with a simple circuit structure.

Also, Applicant notes that the claimed invention relates to encoding and packetizing *video data* and radio-transmitting a packet, and, in particular, the claimed invention is, at least, in part, directed to suppressing image disturbance caused by a transmission error with a simple circuit structure (*See, e.g.*, paragraph [0008] of the published specification).

In contrast to the claimed invention, as the Examiner acknowledges in the pending Office Action, Kikuchi fails to show or suggest, at least, the above feature, “*generating a packet including encoded information of a plurality of vertical period and adding serial information indicating the order of transmission of the packet,*” as required by the claimed invention.

However, the Examiner asserts that Feinleib teaches the claimed feature which Kikuchi fails to provide. For the following reasons, Applicant respectfully disagrees.

At the outset, as noted above, the claimed invention is directed to a manipulation of *video data* (i.e., including image data), and is, at least, in part, directed to suppressing image disturbance caused by a transmission error with a simple circuit structure.

Feinleib relates to a technique of transmission of video signals including image data. Also, Feinleib teaches that transmitted video signals contain image data and 33-byte VBI (Vertical Blanking Interval) compatible data packets. However, as is clearly explained in Feinleib, the Video Blanking Interval (VBI) is the upper 21 lines of a typical television frame, and the VBI lines are not displayed on the television, but are instead merely used to carry the television control information (See, column 4, lines 17-31 of Feinleib). In other words, the VBI-compatible data packet shown in Feinleib is substantively different from *video data*, which could be technically related with “a plurality of vertical period” recited in the claim. In fact, Feinleib explicitly teaches that the VBI-compatible data packets merely include additional data such as stock prices or weather forecast (See, e.g., column 1, lines 56-60 of Feinleib). Thus, those of ordinary skill in the art would readily

appreciate that the VBI-compatible data packets never include image signals as a part of video signals.

Further, although Feinleib describes that data contained in a data block (130, 140) including IP/UDP packets are divided into the plurality of VBI-compatible data packets 20 (*See, e.g.*, column 6, lines 18-37), the reference fails to teach or suggest any configuration or logic for encoding image signals in units of a plurality of the VBI data, as does the claimed invention.

Furthermore, the size of the VBI-compatible data packet disclosed in Feinleib is only 33-bytes. Those of ordinary skill in the art would readily appreciate that the size of the packet employed by the claimed invention is necessarily larger than that of the VBI-compatible data packet disclosed in Feinleib. Thus, the data packets manipulated by the claimed invention are inherently different from those taught by Feinleib and the actual teachings of Feinleib would not lead one of ordinary skill in the art to the claimed invention.

In view of the above, Feinleib neither shows or suggests, at least, the feature, *generating a packet including encoded information of a plurality of vertical period and adding serial information indicating the order of transmission of the packet,*” as required by the claimed invention. In fact, in contrast to the claimed invention, there exists nothing whatsoever in the disclosure of Feinleib that even recognizes, much less addresses, the issue about suppressing image disturbance caused by a transmission error with a simple circuit structure.

Therefore, independent claim 1, as amended, is patentable over Kikuchi and Feinleib, because, whether taken separately or in combination, the references fail to show or suggest all of the


limitations of the claim. By virtue of its dependence, claim 3 depending from claim 2 is also patentable for at least the same reasons. Accordingly, withdrawal of the rejection is respectfully requested.

Conclusion

Applicant believes this reply is fully responsive to all outstanding issues and places this application in condition for allowance. If this belief is incorrect, or other issues arise, the Examiner is encouraged to contact the undersigned or his associates at the telephone number listed below. Please apply any charges not covered, or any credits, to Deposit Account 50-0591 (Reference Number 08228/096001).

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Respectfully submitted,

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